IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE DIVISIONAL APPLICATION

OF:

KLINTZ ET AL.

SERIAL NO. TO BE ASSIGNED

FILED:

HEREWITH

For:

SUBSTITUTED 3-PHENYLURACILS

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

This is a Divisional application of Application Serial No. 08/774,722, filed on January 03, 1997.

The Divisional application is drawn to non-elected subject matter which was canceled from the claims during the prosecution of the parent application. Kindly amend the Divisional Application for further prosecution as follows:

IN THE CLAIMS:

Amend Claims 1 to 7 to read as follows:

1. (amended) [Substituted 3-phenyluracils] A 3-phenyluracil of [the general] formula I

$$R^3$$
 R^4
 X^1
 R^2
 X^2
 X^1
 X^2
 X^1
 X^2
 X^2
 X^2
 X^2
 X^3
 X^4
 X^4

where

 X^1 and X^2 are each oxygen or sulfur;

W is
$$[-C(R^8)=X^5$$
, $-C(R^8)(X^3R^6)(X^4R^7)$, $]$ $-C(R^8)=C(R^9)-CN$, $-C(R^8)=C(R^9)-CO-R^{10}$, $-C(R^8)=C(R^9)-CO-R^{10}$, $-C(R^8)=C(R^9)-C(R^{11})=C(R^{12})-CO-R^{10}$ or $-C(R^8)=C(R^9)-CH_2-CH(R^{13})-CO-R^{10}$ where

[X^3 and X^4 are each oxygen or sulfur;]

[X^5 is oxygen, sulfur or a radical-NR¹⁴;]

 $[R^{14} \text{ is hydrogen, hydroxyl, } C_1-C_6-alkyl, C_3-C_6-alkenyl, C_3-C_6-alkynyl, }$ $C_3-C_1-C_2$ contains C_1-C_6 haloalkyl, C_1-C_6 alkoxy- C_1-C_6 alkyl, C_1 - C_6 -alkoxy, C_3 - C_6 -alkenyloxy, C_3 - C_6 -alkynyloxy, C_5 - C_7 -cycloalkoxy, C_5 - C_7 -cycloalkenyloxy, C_1 - C_6 -haloalkoxy, C_3 - C_6 -haloalkenyloxy, $hydroxy-C_1-C_6-alkoxy$, $cyano-C_1-C_6-alkoxy$, $C_3-C_7-cycloalkyl C_1$ - C_6 -alkylcarbonyloxy, C_1 - C_6 -haloalkylcarbonyloxy, $C_1-C_6-alkylcarbamoyloxy$, $C_1-C_6-haloalkylcarbamoyloxy$, $C_1-C_6-al-al-alkylcarbamoyloxy$, $C_1-C_6-al-alkylcarbamoyloxy$ $koxycarbonyl-C_2-C_6-alkoxy$, $C_1-C_6-alkylthio-C_1-C_6-alkoxy$, C_1 - C_6 -alkylamino- C_1 - C_6 -alkoxy, phenyl which may carry from one to three of the following substituents: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxycarbonyl, phenyl- C_1 - C_6 -alkoxy, phenyl- C_3 - C_6 -alkenyloxy or phenyl- C_3 - C_6 -alkynyloxy, where one or two methylene groups of each of the carbon chains may be replaced with -O-, -S- or $-N(C_1-C_6-alkyl)-$ and each phenyl ring may carry from one to three of the following substituents: cyano, nitro, halogen, C_1-C_6 -alkyl, C_2-C_6 -alkenyl, C_1-C_6 -haloalkyl, C_1-C_6 -alkoxy, C_1-C_6 alkoxycarbonyl, heterocyclyl, $heterocyclyl-C_1-C_6-alkoxy$, hetero $cyclyl-C_3-C_6-alkenyloxy$ or $heterocyclyl-C_3-C_6-alkynyloxy$, where one or two methylene groups of each of the carbon chains may be replaced with -O-, -S- or $-N(C_1-C_6-alkyl)$ - and the heterocyclyl ring may be from three-membered to sevenmembered and saturated, unsaturated or aromatic and may contain from one to four hetero atoms selected from a group consisting of one or two oxygen or sulfur atoms and up to four nitrogen atoms and furthermore may carry from one to three of the following substituents: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy or C_1 - C_6 -alkoxycarbonyl,

[or $-N(R^{15})R^{16}$, where]

 $[R^{15} \ and \ R^{16} \ are each hydrogen, C_1-C_6-alkyl, C_3-C_6-alkenyl, C_5-alkenyl, C_5-alkeny$ alkynyl, $C_3-C_6-cycloalkyl$, $C_1-C_6-haloalkyl$, $C_1-C_6-alkoxy-C_1-C_6-alkyl$ alkyl, C_1 - C_6 -alkylcarbonyl, C_1 - C_6 -alkoxycarbonyl, C_1 - C_6 -alkoxy $carbony-C_1-C_6-alkyl$ or $C_1-C_6-alkoxycarbonyl-C_2-C_6-alkenyl$, where the alkenyl chain may additionally carry from one to three of the following radicals: halogen and cyano or phenyl which may ίΠ Hall I.H. of him for the limit of the state of the state

carry from one to three of the following substituents: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_3 - C_6 -alkenyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxycarbonyl, or]

 $[R^{15}$ and R^{16} together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic structure, where one ring member may be replaced with -O-, -S-, -N=, -NH- or $-N(C_1-C_6-alkyl)-$;

- $[R^6 \text{ and } R^7 \text{ are each } C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_6-alkenyl,$ C_3 - C_6 -alkynyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, or]
- $[R^6$ and R^7 together form a saturated or unsaturated, two-membered to four-membered carbon chain which may carry an oxo substituent, where one member of this chain may be replaced with an oxygen, sulfur or nitrogen atom which is not adjacent to X^3 and X^4 , and where the chain may carry from one to three of the following radicals: cyano, nitro, amino, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alke $ny1, \quad C_1-C_6-alk \\ oxy, \quad C_2-C_6-alk \\ enyloxy, \quad C_2-C_6-alk \\ ynyloxy, \quad C_1-C_6-ha-alk \\ oxy, \quad C_1-C_6-ha-alk \\ oxy, \quad C_1-C_6-alk \\ oxy, \quad C_1-C_6$ loalkyl, cyano- C_1 - C_6 -alkyl, hydroxy- C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy- $C_1-C_6-alkyl,\ C_3-C_6-alkenyloxy-C_1-C_6-alkyl,\ C_3-C_6-alkynyloxy-C_1-C_6-alkyl,\ C_3-C_6-alkynyloxy-C_1-C_6-alky$ alkyl, C_3 - C_7 -cycloalkyl, C_3 - C_7 -cycloalkoxy, carboxyl, C_1 - C_6 -alkoxycarbonyl, C_1 - C_6 -alkylcarbonyloxy- C_1 - C_6 -alkyl and phenyl which may carry from one to three of the following radicals: halogen, cyano, nitro, amino, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxycarbonyl, and where the chain may furthermore be substituted by a fused-on or spiral-bonded three-membered to seven-membered ring, and one or two carbon atoms of this ring may be replaced with oxygen, sulfur and unsubstituted or C_1 - C_6 alkyl-substituted nitrogen atoms and this ring may carry one or two of the following substituents: cyano, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -alkoxy, C_1 - C_6 -cyanoalkyl, C_1 - C_6 -haloalkyl and C_1 - C_6 alkoxycarbonyl;]
- \mathbb{R}^8 is hydrogen, cyano, C_1-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_1 - C_6 -haloalkyl, C_3 - C_7 -cycloalkyl, C_1 - C_6 -alkoxy- C_1-C_6 -alkyl or C_1-C_6 -alkoxycarbonyl;
- R^9 and R^{12} are each hydrogen, cyano, halogen, C_1 - C_6 -alkyl, halo- C_1 - C_6 -alkyl, C_1 - C_6 -alkylcarbonyl or $C_1-C_6-alkoxy$, C_1-C_6 -alkoxycarbonyl;
- R^{10} is hydrogen, O- R^{17} , S- R^{17} , C₁-C₆-alkyl which may furthermore carry one or two C_1-C_6 -alkoxy substituents, or [R^{10} is]
 - C_3-C_6 -alkenyl, C_3-C_6 -alkynyl, C_1-C_6 -haloalkyl, C_3-C , cycloalkyl, C_1-C_6 -alkylthio- C_1-C_6 -alkyl, C_1-C_6 -alkyliminooxy, $-N(R^{15})R^{16}$ or

Serial No. 08/774,722

phenyl which [may carry] is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C_1-C_6 -alkyl, C_2-C_6 -alkenyl, C_1-C_6 -haloalkyl, C_1-C_6 -alkoxy [or] and C_1-C_6 -alkoxycarbonyl,

- R^{15} and R^{16} are each hydrogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, $C_3-C_6-alkynyl$, $C_3-C_6-cycloalkyl$, $C_1-C_6-haloalkyl$, $C_1-C_6-alkoxy-C_1-C_6-alkyl$, $C_1-C_6-alkyl$ carbonyl, $C_1-C_6-alkyl$ alkoxycarbonyl, C₁-C₆-alkoxycarbony-C₁-C₆-alkyl or C_1-C_6 -alkoxycarbonyl- C_2-C_6 -alkenyl, where the alkenyl chain is unsubstituted or carries from one to three of the following radicals: halogen and cyano, or phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C_1-C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl, or
- R15 and R16 together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic structure, where one ring member is optionally replaced by -O-, -S-, -N=, -NH- or -N(C1-C6alkyl)-;
- R^{17} is hydrogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, C_3-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_1-C_6 -haloalkyl, C_3-C_6 -haloalkenyl, cyano- C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, $\texttt{C}_1-\texttt{C}_6-\texttt{alkylthio-C}_1-\texttt{C}_6-\texttt{alkyl}_{\boldsymbol{\bot}}\quad \textit{[or]}\quad \texttt{C}_1-\texttt{C}_6-\texttt{alkyloximino-c}_{\boldsymbol{\bot}}$ C_1-C_6 -alkyl, C_1-C_6 -alkylcarbonyl, C_1-C_6 -alkoxycarbonyl, C_1-C_6 -alkylcarbonyl- C_1-C_6 -alkyl, C_1-C_6 -alkoxycarbonyl- C_1 - C_6 -alkyl,

phenyl or phenyl-C₁-C₆-alkyl, where each of the phenyl radicals [in turn may carry] is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C1-C6-alkyl, C1-C6-haloalkyl, C_3-C_6 -alkenyl, C_1-C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl;

 R^{11} is hydrogen, cyano, halogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, $C_3-C_6-alkynyl$, $C_1-C_6-alkoxy-C_1-C_6-alkyl$, $C_1-C_6-alkylcarbo-alkyl$ nyl, C_1-C_6 -alkoxycarbonyl,

 $-NR^{18}R^{19}$, where R^{18} and R^{19} have the same meanings as R^{15} and R^{16} , or

phenyl which [may furthermore carry] is unsubstituted or carries from one to three of the following substituents:

- cyano, nitro, halogen, C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_3-C_6 -alkenyl, C_1-C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl;
- R^{13} is hydrogen, cyano, $C_1-C_6-alkyl$ or $C_1-C_6-alkoxycarbonyl$; or
- R^9 and R^{10} together form a two-membered to five-membered carbon chain in which one carbon atom may be replaced with oxygen, sulfur or unsubstituted or C_1 - C_6 -alkyl-substituted nitrogen;
- R1 is halogen, cyano, nitro or trifluoromethyl;
- R² is hydrogen or halogen;
- R³ is hydrogen, nitro, C_1 - C_6 -alkyl, C_3 - C_6 -alkenyl, C_3 - C_6 -alkynyl, C_3 - C_8 -cycloalkyl, C_3 - C_8 -cycloalkylcarbonyl, cyano- C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, formyl, C_1 - C_6 -alkanoyl, C_1 - C_6 -alkoxycarbonyl, C_1 - C_6 -haloalkylcarbonyl, C_1 - C_6 -alkyl, kylcarbonyl- C_1 - C_6 -alkyl, C_1 - C_6 -alkoxycarbonyl- C_1 - C_6 -alkyl; a group -N(R²0)R²1, where R²0 and R²1 have one of the meanings of R¹5 and R¹6;
 - phenyl or phenyl- C_1 - C_6 -alkyl, where each phenyl ring [may carry] is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxycarbonyl;
- R⁴ is hydrogen, cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_3 - C_8 -cycloalkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -hydroxyalkyl, cyano- C_1 - C_6 -alkyl, C_1 - C_6 -alkylthio, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_1 - C_6 -alkylthio- C_1 - C_6 -alkyl or phenyl which [may carry] is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxycarbonyl;
- is hydrogen, cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_3 - C_7 -cycloalkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -hydroxyalkyl, cyano- C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, formyl, C_1 - C_6 -alkylthio- C_1 - C_6 -alkyl, formyl, C_1 - C_6 -alkylcarbonyl, C_1 - C_6 -haloalkylcarbonyl, C_1 - C_6 -alkoxy-carbonyl- C_2 - C_6 -alkenyl,
 - $-N(R^{22})R^{23}$, where R^{22} and R^{23} have one of the meanings of R^{15} and R^{16} , or

phenyl which [may carry] is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C_1-C_6 -alkyl, C_2-C_6 -alkenyl, C_1-C_6 -haloalkyl, C_1-C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl, or

R⁴ and R⁵ together form a saturated or unsaturated 3-membered or 4-membered carbon chain which [may contain] optionally contains from one to three of the following hetero atoms: 1 or 2 oxygen atoms, 1 or 2 sulfur atoms and from 1 to 3 nitrogen atoms, and the chain [may furthermore carry] is unsubstituted or carries from one to three of the following radicals: cyano, nitro, amino, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio and C₁-C₆-alkoxycarbonyl;

with the proviso that R^4 [may] is not [be] trifluoromethyl [at the same time as] when R^5 is hydrogen [when] and W is -CH=CH-CO- R^{10} where R^{10} is C_1 - C_6 -alkoxy or C_3 - C_7 -cycloalkoxy, and

with the proviso that R^9 is halogen when R^4 and R^5 are [not] simultaneously hydrogen [when] and W is $CH(R^8)-CH(R^9)-CO-R^{10}$ $[and R^9 is not halogen]$,

[and the salts and enol ethers] or a salt or an enol form of [those compounds] the compound of formula I in which R^3 is hydrogen.

2. (amended) [Compounds of] An enol ether of the compound of formula I defined in claim 1 represented by [the general] formula Ia or formula Ib

$$\mathbb{R}^4$$
 \mathbb{R}^5
 \mathbb{R}^2
 \mathbb{R}^5
 \mathbb{R}^2
 \mathbb{R}^1
 \mathbb{R}^2
 \mathbb{R}^1
 \mathbb{R}^2
 \mathbb{R}^1
 \mathbb{R}^2
 \mathbb{R}^1
 \mathbb{R}^2
 \mathbb{R}^1

[where the variables R^1 , R^2 , R^4 , R^5 , X^1 , X^2 and W have the meanings stated in claim 1 and] wherein R^3 ' is [one of the following groups:] $C_1-C_6-alky1$, $C_3-C_6-alkey1$ or $C_3-C_6-alky1$,

with the proviso that R^4 [may] <u>is</u> not [be] trifluoromethyl [at the same time as] <u>when</u> R^5 is hydrogen [when] <u>and</u> W is -CH=CH-CO- R^{10} where R^{10} is C_1 - C_6 -alkoxy or C_3 - C_6 -cycloalkoxy.

3. (amended) [A] The compound [as claimed] of formula I defined in claim 1 or [2] its salt or enol form, wherein W is $[-C(R^8)=X^5, -C(R^8)(X^3R^6)(X^4R^7),]$ $-C(R^8)=C(R^9)-CO-R^{10}$ or $-CH(R^8)-CH(R^9)-CO-R^{10}$.

- 4. (amended) [A] The compound [as claimed] of formula I defined in claim 1 [or 2], wherein R^3 is C_1-C_6 -alkyl.
- 5. (amended) [A] The compound [as claimed] of formula I defined in claim 1 or [2] its salt or enol form, wherein R² is hydrogen or fluorine.
- 6. (amended) [A] The compound [as claimed] of formula I defined in claim 1 or [2] its salt or enol form, wherein R¹ is chlorine or bromine.
- 7. (amended) [A] The compound [as claimed] of formula I defined in claim 1 or [2] its salt or enol form, wherein R^4 is C_1-C_6 -haloal-kyl.

Cancel Claims 8 to 11. Amend Claims 12 to 18 to read as follows:

- 12. (amended) A [herbicide containing] herbicidal composition comprising an inert liquid or solid carrier and [a herbicidal] an effective amount of at least one [substituted] 3-phenyluracil of [the] formula I [as claimed] defined in claim 1, [or of the formula Ia or Ib as claimed in claim 2] or [a] the salt or [an] the enol [ether] form of [those compounds] the compound of formula I in which R³ is hydrogen.
- 13. (amended) A method for controlling undesirable plant growth, wherein [a herbicidal] an effective amount of [a substituted] the 3-phenyluracil of [the] formula I [as claimed] defined in claim 1, [or of the formula Ia or Ib as claimed in claim 2] or [a] the salt or [an] the enol [ether] form of [those compounds] the compound of formula I in which R3 is hydrogen, is allowed to act on plants, on their habitat or on seed.
- 14. (amended) [An agent] A composition for the desiccation [and] or defoliation of plants[, containing, in addition to] comprising conventional additives[,] and an effective amount[, having a defoliant or desiccant effect,] of at least one [substituted] 3-phenyluracil of [the] formula I [as claimed] defined in claim 1, [or of the formula Ia or Ib as claimed in claim 2] or [a] the salt or [an] the enol [ether] form of [those compounds] the compound of formula I in which R3 is hydrogen.
- 15. (amended) A method for the desiccation [and] or defoliation of plants, wherein an effective amount[, having a defoliant and/or des-

iccant effect,] of [a substituted] the 3-phenyluracil of formula I [as claimed] defined in claim 1 [or Ia or Ib as claimed in claim 2] is allowed to act on the plants.

16. (amended) [A] The method [as claimed in] of claim 15, wherein cotton is defoliated.

KLINTZ et al.

- 17. (amended) A [pesticide containing] pesticidal composition comprising an inert [carriers] carrier and [a pesticidal] an effective amount of at least one [substituted] 3-phenyluracil of [the] formula I [as claimed] defined in claim 1, [or of the formula Ia or Ib as claimed in claim 2] or [of a] the salt or [of an] the enol [ether] form of [those compounds] the compound of formula I in which R³ is hydrogen.
- 18. (amended) A method for controlling pests, wherein [a pesticidal] an effective amount of [a substituted] the 3-phenyluracil of [the] formula I [as claimed] defined in claim 1, [or of the formula Ia or Ib as claimed in claim 2] or [of a] the salt or [of an] the enol [ether of those compounds] form of the compound of formula I in which R3 is hydrogen, is allowed to act on pests or their habitat.

Cancel Claim 19. Enter new Claims 20 to 43 as follows:

- 20. (new) The compound of formula I defined in claim 1, wherein R^3 is hydrogen, C_1-C_6 -alkyl or C_1-C_6 -haloalkyl.
- 21. (new) The compound of formula I defined in claim 1, wherein R^4 is C_1-C_6 -alkyl or C_1-C_6 -haloalkyl, or the salt or enol form thereof when R^3 is hydrogen.
- 22. (new) The compound of formula I defined in claim 1, wherein R^5 is hydrogen, halogen or C_1-C_6 -alkyl, or the salt or enol form thereof when R^3 is hydrogen.
- 23. (new) The compound of formula I defined in claim 1, wherein R^8 is hydrogen, or the salt or enol form thereof when R^3 is hydrogen.
- 24. (new) The compound of formula I defined in claim 1, wherein R^9 is halogen or C_1-C_6 -alkyl, or the salt or enol form thereof when R^3 is hydrogen.

- 25. (new) The compound of formula I defined in claim 1, wherein R^{10} is $-OR^{17}$ or $-N(R^{15})R^{16}$, or the salt or enol form thereof when R^3 is hydrogen.
- 26. (new) The enol ether defined in claim 2, wherein W is $-C(R^8)=C(R^9)-CO-R^{10}$ or $-CH(R^8)-CH(R^9)-CO-R^{10}$.
- 27. (new) The enol ether defined in claim 2, wherein R^3 is $C_1-C_6-al-kyl$.
- 28. (new) The enol ether defined in claim 2, wherein \mathbb{R}^2 is hydrogen or fluorine.
- 29. (new) The enol ether defined in claim 2, wherein \mathbb{R}^1 is chlorine or bromine.
- 30. (new) The enol ether defined in claim 2, wherein R^4 is $C_1-C_6-ha-loalkyl$.
- 31. (new) The enol ether defined in claim 2, wherein R^4 is C_1-C_6 -alkyl or C_1-C_6 -haloalkyl.
- 32. (new) The enol ether defined in claim 2, wherein R^5 is hydrogen, halogen or C_1-C_6 -alkyl.
- 33. (new) The enol ether defined in claim 2, wherein R8 is hydrogen.
- 34. (new) The enol ether defined in claim 2, wherein \mathbb{R}^9 is halogen or \mathbb{C}_1 - \mathbb{C}_6 -alkyl.
- 35. (new) The enol ether defined in claim 2, wherein R^{10} is $-OR^{17}$ or $-N(R^{15})R^{16}$.
- 36. (new) A herbicidal composition comprising an inert liquid or solid carrier and an effective amount of at least one enol ether of formula Ia or Ib defined in claim 2.
- 37. (new) A method for controlling undesirable plant growth, wherein an effective amount of the enol ether of formula Ia or Ib defined in claim 2 is allowed to act on plants, on their habitat or on seed.
- 38. (new) A composition for the desiccation or defoliation of plants comprising conventional additives and an effective amount of at least one enol ether of formula Ia or Ib defined in claim 2.

- 39. (new) A method for the desiccation or defoliation of plants, wherein an effective amount of the enol ether of formula Ia or Ib defined in claim 2 is allowed to act on the plants.
- 40. (new) The method of claim 39, wherein cotton is defoliated.
- 41. (new) A pesticidal composition comprising an inert carrier and an effective amount of at least one enol ether of formula Ia or Ib defined in claim 2.
- 42. (new) A method for controlling pests, wherein an effective amount of the enol ether of formula Ia or Ib defined in claim 2 is allowed to act on pests or their habitat.
- 43. (new) A 3-phenyluracil of formula I

where

 X^1 and X^2 are each oxygen or sulfur;

- W is $-C(R^8)=C(R^9)-CN$, $-C(R^8)=C(R^9)-CO-R^{10}$, $-CH(R^8)-CH(R^9)-CO-R^{10}$, $-C(R^8)=C(R^9)-CH_2-CO-R^{10}$, $-C(R^8)=C(R^9)-C(R^{12})-CO-R^{10}$ or $-C(R^8)=C(R^9)-CH_2-CH(R^{13})-CO-R^{10}$ where
 - R8 is hydrogen, cyano, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_3 - C_7 -cycloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl or C_1 - C_6 -alkoxycarbonyl;
 - $\rm R^9$ and $\rm R^{12}$ are each hydrogen, cyano, halogen, $\rm C_1-C_6-alkyl$, $\rm C_1-C_6-alkoxy$, halo-C_1-C_6-alkyl, C_1-C_6-alkylcarbonyl or C_1-C_6-alkoxycarbonyl;
 - Is hydrogen, O-R¹⁷, S-R¹⁷, C₁-C₆-alkyl which may furthermore carry one or two C₁-C₆-alkoxy substituents, or $C_3-C_6-alkenyl, \quad C_3-C_6-alkynyl, \quad C_1-C_6-haloalkyl, \quad C_3-C,cy-cloalkyl, \quad C_1-C_6-alkylthio-C_1-C_6-alkyl, \quad C_1-C_6-alkylimi-nooxy, -N(R¹⁵)R¹⁶ or <math display="block"> phenyl \quad which \quad is \quad unsubstituted \quad or \quad carries \quad from \quad one \quad to \quad three of the following substituents: cyano, nitro, halo-$

gen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl,

- R^{15} and R^{16} are each hydrogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, $C_3-C_6-alkynyl$, C_3-C_6 -cycloalkyl, $C_1-C_6-haloalkyl$, $C_1-C_6-alkoxy-C_1-C_6-alkyl$, $C_1-C_6-alkyl$ carbonyl, $C_1-C_6-alkyl$ alkoxycarbonyl, C_1-C_6 -alkoxycarbony- C_1-C_6 -alkyl or C_1-C_6 -alkoxycarbonyl- C_2-C_6 -alkenyl, where the alkenyl chain is unsubstituted or carries from one to three of the following radicals: halogen and cyano, or phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_3-C_6 -alkenyl, C_1-C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl, or
- ${\sf R}^{15}$ and ${\sf R}^{16}$ together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic structure, where one ring member is optionally replaced by -O-, -S-, -N=, -NH- or -N(C_1 - C_6 alkyl)-;
- R^{17} is hydrogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, C_3-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_1-C_6 -haloalkyl, C_3-C_6 -haloalkenyl, cyano- C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_1-C_6 -alkylthio- C_1-C_6 -alkyl, C_1-C_6 -alkyloximino- C_1-C_6 - C_1-C_6 -alkylcarbonyl, C_1-C_6 -alkoxycarbonyl, C_1-C_6 -alkylcarbonyl- C_1-C_6 -alkyl, C_1-C_6 -alkoxycarbonyl- $C_1-C_6-alkyl$,

phenyl or phenyl-C₁-C₆-alkyl, where each of the phenyl radicals is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_3-C_6 -alkenyl, C_1-C_6 -alkoxy and C_1-C_6 -alkoxycarbonyl;

 R^{11} is hydrogen, cyano, halogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, $C_3-C_6-alkynyl$, $C_1-C_6-alkoxy-C_1-C_6-alkyl$, $C_1-C_6-alkylcarbo-alkyl$ nyl, C_1-C_6 -alkoxycarbonyl,

-NR 18 R 19 , where R 18 and R 19 have the same meanings as R 15 and R^{16} , or

phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_3-C_6 -alkenyl, C_1-C_6 alkoxy and C_1-C_6 -alkoxycarbonyl;

- R^{13} is hydrogen, cyano, C_1-C_6 -alkyl or C_1-C_6 -alkoxycarbonyl; or
- R^9 and R^{10} together form a two-membered to five-membered carbon chain in which one carbon atom may be replaced with oxygen, sulfur or unsubstituted or C_1 - C_6 -alkyl-substituted nitrogen;
- R1 is halogen, cyano, nitro or trifluoromethyl;
- R² is hydrogen or halogen;
- R³ is hydrogen, nitro, C_1-C_6 -alkyl, C_3-C_6 -alkenyl, C_3-C_6 -alkynyl, C_3-C_8 -cycloalkyl, C_3-C_8 -cycloalkylcarbonyl, cyano- C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_1-C_6 -alkoxy- C_1-C_6 -alkyl, formyl, C_1-C_6 -alkanoyl, C_1-C_6 -alkoxycarbonyl, C_1-C_6 -haloalkylcarbonyl, C_1-C_6 -alkylcarbonyl- C_1-C_6 -alkyl, C_1-C_6 -alkoxycarbonyl- C_1-C_6 -alkyl; a group $-N(R^{20})R^{21}$, where R^{20} and R^{21} have one of the meanings of R^{15} and R^{16} ;
 - phenyl or phenyl- C_1 - C_6 -alkyl, where each phenyl ring is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxycarbonyl;
- is hydrogen, cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₈-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-hydroxyalkyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkyl-thio, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl or phenyl which is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxy-carbonyl;
- is hydrogen, cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_3 - C_7 -cycloalkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -hydroxyalkyl, cyano- C_1 - C_6 -alkyl, C_1 - C_6 -alkylthio- C_1 - C_6 -alkyl, formyl, C_1 - C_6 -alkylcarbonyl, C_1 - C_6 -haloalkylcarbonyl, C_1 - C_6 -alkoxy-carbonyl- C_2 - C_6 -alkenyl,
 - $^{-N}(\mbox{R}^{22})\mbox{R}^{23},$ where \mbox{R}^{22} and \mbox{R}^{23} have one of the meanings of \mbox{R}^{15} and $\mbox{R}^{16},$ or
 - phenyl which is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy and C_1 - C_6 -alkoxy-carbonyl, or

R⁴ and R⁵ together form a saturated or unsaturated 3-membered or 4-membered carbon chain which optionally contains from one to three of the following hetero atoms: 1 or 2 oxygen atoms, 1 or 2 sulfur atoms and from 1 to 3 nitrogen atoms, and the chain is unsubstituted or carries from one to three of the following radicals: cyano, nitro, amino, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio and C₁-C₆-alkoxycarbonyl;

with the proviso that R^4 is not trifluoromethyl when R^5 is hydrogen and W is -CH=CH-CO-R^{10} where R^{10} is $C_1-C_6-alkoxy$ or $C_3-C_7-cy-cloalkoxy, and$

with the proviso that R^9 is halogen when R^4 and R^5 are simultaneously hydrogen and W is $CH(R^8)-CH(R^9)-CO-R^{10}$,

or a salt of the compound of formula I in which R^3 is hydrogen, or an enol form of the compound of formula I in which R^3 is hydrogen, C_1-C_6 -alkyl, C_3-C_6 -alkenyl or C_3-C_6 -alkynyl.

IN THE SPECIFICATION:

Amend page 1 as follows:

after the title and prior to the first paragraph insert the following:

--This application is a Divisional application of Application Serial No. 08/774,722, filed January 03, 1997, which is a FWC application of Application Serial No. 08/211,067, filed March 18, 1994.--.

REMARKS

Claims 1 to 7, 12 to 18 and 20 to 43 are now pending in this case. Claims 8 to 11 and 19 have been canceled, and Claims 20 to 43 have been added. Claims 1 to 7 and 12 to 18 have been revised for clarity, and have been amended to avoid overlap with the subject matter claimed in the parent application. Further, the claims were amended to remove multiple dependency and the so deleted subject matter was entered as a new claim (ie. Claims 26 to 30 and 36 to 42). New Claims 20 to 25, 31 to 35 and 43 have been added to further bring out some of the subsidiary embodiments of applicants' invention.

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The specification has been amended to include a reference to the parent case. No new matter has been added. A separate unmarked copy of the claims as herewith amended and now pending in this application is appended to this paper for the Examiner's convenience.

Please charge any shortage in fees due in connection with the filing of this paper, including Extension of Time fees to Deposit Account No. 11.0345. Please credit any excess fees to such deposit account.

Respectfully submitted,

KEIL & WEINKAUF

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Encl.: THE ACTIVE CLAIMS

HBK/BAS